

Title (en)  
DETECTION OF FLUIDS WITH METAL-INSULATOR-SEMICONDUCTOR SENSORS

Title (de)  
NACHWEIS VON FLUIDEN MIT M.I.S. SENSOREN

Title (fr)  
DETECTION DE FLUIDES A L'AIDE DE DETECTEURS A SEMI-CONDUCTEURS A ISOLATEUR METALLIQUE (MIS)

Publication  
**EP 0729574 A4 19960611 (EN)**

Application  
**EP 95900444 A 19941027**

Priority  
• US 9412316 W 19941027  
• US 14700293 A 19931102

Abstract (en)  
[origin: WO9512811A1] A MIS diode sensor (10) having a Pd/Cu alloy electrode (15) is sensitive to and can detect CO, H<sub>2</sub>, C<sub>2</sub>H<sub>2</sub> and C<sub>2</sub>H<sub>4</sub>. An array (30) of MIS diode sensors (10) having varying electrode compositions can indicate a fault in an electrical transformer by the detection of at least one of the key fault gases CO, H<sub>2</sub>, C<sub>2</sub>H<sub>2</sub> and C<sub>2</sub>H<sub>4</sub>.

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**G01N 27/26**; **G01N 27/00**

IPC 8 full level  
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CPC (source: EP US)  
**G01N 27/129** (2013.01 - EP US); **G01N 33/2841** (2013.01 - EP US)

Citation (search report)  
• No further relevant documents disclosed  
• See references of WO 9512811A1

Cited by  
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